

INTERNATIONAL SEARCH REPORT

International application No:
PCT/US2008/057911

A. CLASSIFICATION OF SUBJECT MATTER INV. C07D401/14 C07D403/04 C07D405/14 A61K31/506 A61P3/04 A61P9/00 A61P11/00 A61P25/00 A61P37/00				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C07D A61K A61P				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
X	WO 2005/058883 A (ALMIRALL PRODESFARMA SA [ES]; CRESPO CRESPO MARIA ISABEL [ES]; FRAT OU) 30 June 2005 (2005-06-30) claims 1-27,29-32; examples 85-88,90-93,95,96			1-10, 16-20
X	EP 0 459 830 A (WELLCOME FOUND [GB]) 4 December 1991 (1991-12-04) page 2, line 1 - line 11; claims 1-8			1,13,14, 16-20
X	WO 2006/110884 A (NEUROCRINE BIOSCIENCES INC [US]; ALMIRALL PRODESFARMA SA [ES]; SLEE DE) 19 October 2006 (2006-10-19) intermediates 13, 15 claims 1-28			1,2,4,6, 7,10,11
A	----- ----- -----			16-20
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.		<input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier document not published on or after the international filing date "C" document which may throw doubts on priority, claims of which is cited to establish the publication date of another citation or other special reason (as specified) "D" document referring to an oral disclosure, use, exhibition or other means "E" document published prior to the international filing date but later than the priority date claimed				
Date of the actual compilation of the international search		Date of mailing of the international search report		
29 September 2008		16/01/2009		
Name and mailing address of the ISA European Patent Office, P.O. Box 8010 Patentanlage 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2080 Fax: (+31-70) 340-2016		Authorized officer Rufet, Jacques		

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Creation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/048365 A (CHIRON CORP [US]; NUSS JOHN M [US]; PECCHI SABINA [US]; RENHOWE PAUL A) 10 June 2004 (2004-06-10) claims 1,12; examples 73-75,121	1,13,14, 16-18
X	EP 0 407 899 A (HOECHST AG [DE] HOECHST SCHERING AGREVO GMBH [DE]) 16 January 1991 (1991-01-16) pages 20,21,38, 46, 48,49,63; claims 1, 2	1,2,13, 14
X	JP 54 117029 A (HOKKO CHEMICAL INDUSTRY CO., LTD., JAPAN; MEIJI MILK PRODUCTS CO., LTD) 11 September 1979 (1979-09-11) compound 12; claim 1	1-5,7, 13,14
X	JP 54 147921 A (HOKKO CHEMICAL INDUSTRY CO., LTD., JAPAN; MEIJI SEIKA KAISHA, LTD.) 19 November 1979 (1979-11-19) compounds 15-19; claim 1	1-5,7,8, 13,14
X	JP 54 115384 A (HOKKO CHEMICAL INDUSTRY CO., LTD., JAPAN; MEIJI SEIKA KAISHA, LTD.) 7 September 1979 (1979-09-07) compound 168; claim 1	1-5,13, 14
X	DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUT ZUR FOEDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; Database-Accession no. 2983888 (BRN) XP002495819 abstract & JUSTUS LIEBIGS ANNALEN DER CHEMIE, vol. 704, 1967, pages 144-149, DE	1,2,10

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 5.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-9, 16-20 all partially and 10-15 complete

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/SAV 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9, 16-20 all partially and 10-15 complete

Provision of compounds of formula (I) of claim 1 wherein R2 is phenyl or pyridyl, wherein the phenyl or pyridyl ring is substituted by 1 to 4 R4 groups, useful in the treatment of disorders which benefit from the inhibition of adenosine receptors like Alzheimer's disease, dyskinesia, ischemia, arrhythmia, acute renal failure, autoimmune diseases, inflammatory bowel diseases, asthma, obesity, diabetes mellitus, Parkinson's disease, etc....

2. claims: claims 1-9 and 16-20 all partially

Provision of compounds of formula (I) of claim 1 wherein R2 is isoquinoline, dihydroisoquinoline or tetrahydroisoquinoline ring, useful in the treatment of disorders which benefit from the inhibition of adenosine receptors like Alzheimer's disease, dyskinesia, ischemia, arrhythmia, acute renal failure, autoimmune diseases, inflammatory bowel diseases, asthma, obesity, diabetes mellitus, Parkinson's disease, etc....

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No	
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Patent document cited in search report	Publication date	Patent family member(s)			Publication date
WO 2005058883	A 30-06-2005	AU 2004299461 A1			30-06-2005
		CA 2551944 A1			30-06-2005
		JP 2007514003 T			31-05-2007
EP 0459830	A 04-12-1991	AU 646669 B2			03-03-1994
		AU 7809891 A			05-12-1991
		CA 2043671 A1			02-12-1991
		FI 912621 A			02-12-1991
		HU 58303 A2			28-02-1992
		IE 911859 A1			04-12-1991
		JP 5320142 A			03-12-1993
		NZ 238359 A			27-09-1993
		PT 97804 A			31-03-1992
		ZA 9104166 A			24-02-1993
WO 2006110884	A 19-10-2006	EP 1888565 A2			20-02-2008
		US 2008275064 A1			06-11-2008
WO 2004048365	A 10-06-2004	AU 2003295776 A1			18-06-2004
		CA 2507100 A1			10-06-2004
		EP 1575940 A1			21-09-2005
		JP 2006514118 T			27-04-2006
		KR 20050085114 A			29-08-2005
		MX PA05005477 A			25-07-2005
EP 0407899	A 16-01-1991	DE 3922735 A1			24-01-1991
		HU 54280 A2			28-02-1991
		PT 94645 A			20-03-1991
		US 5250530 A			05-10-1993
JP 54117029	A 11-09-1979	JP 1076238 C			25-12-1981
		JP 56018564 B			30-04-1981
JP 54147921	A 19-11-1979	JP 1335146 C			11-09-1986
		JP 60059883 B			27-12-1985
JP 54115384	A 07-09-1979	JP 1159074 C			25-07-1983
		JP 57051835 B			04-11-1982